

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL



Produced by
CATS on 3/22/00

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

Page 1

CONTRACTOR		CONTRACT NO./TASK NO.		JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.		NAS5-99124 231		410-287-17-11-89	99
TASK TITLE					Task End Date:
MAP Electrical Services for OBSERVATORY I&T					9/30/00
APPROVALS					
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)		DATE	ORG CODE	MAIL CODE	PHONE
Lisa Bartusek <i>Lisa Bartusek</i>		3/23/2000	565	410.4	301-286-1311
BRANCH HEAD		DATE	CODE	PHONE	
Paul Bryant <i>Paul Bryant</i>		3/23/2000	565	301-286-7897	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)		DATE	CODE	PHONE	
Robert S. Lebar, Jr. <i>Robert S. Lebar, Jr.</i>		3/23/00	560	301-286-6588	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)		CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM	
<input type="radio"/> NO <input checked="" type="radio"/> YES		Larry Moore		<i>Mike Delmont</i> Mike Delmont	
The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.			(To be completed by Contracting Officer) C.O. Requested Quote on: Date: MAR 28 2000		
Contractor will develop specification or statement of work under this task.			<input checked="" type="radio"/> NO <input type="radio"/> YES		
Flight hardware will be shipped to GSFC for testing prior to final delivery.			<input checked="" type="radio"/> NO <input type="radio"/> YES <input type="radio"/> N/A		
Government Furnished Property/Facilities:			<input type="radio"/> NO <input checked="" type="radio"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)		
Onsite Performance:			If yes: <input checked="" type="radio"/> TOTAL <input type="radio"/> PARTIAL		
Surveillance Plan Attached:			If partial, indicate onsite work in SOW by asterisk (*)		
<input checked="" type="radio"/> NO <input type="radio"/> YES					
Highlighted Contract Clauses: (To be completed by Contracting Officer)					
Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be April 1, 2000.					
INCENTIVE FEE STRUCTURE (check one) (See Contract NAS5-99124, Attachment K, Incentive Fee Plan)					
	<input type="radio"/> No. 1	<input type="radio"/> No. 2	<input checked="" type="radio"/> No. 3	<input type="radio"/> No. 4	<input type="radio"/> No. 5
Cost	10%	50%	25%	25%	10%
Schedule	15%	25%	25%	50%	45%
Technical	75%	25%	50%	25%	45%
(To be completed by Contracting Officer)					
The target cost of this task order is \$247,819					
The target fee of this task order is 12,035					
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of the contract is \$259,854					
The maximum fee is \$17,589					
The minimum fee is \$0.					
AUTHORIZED SIGNATURE:					
<i>Elizabeth J. Austin</i>			ELIZABETH J. AUSTIN		
SIGNATURE OF CONTRACTING OFFICER			CONTRACTING OFFICER		
DATE 4/28/00			TYPED NAME OF CONTRACTING OFFICER		
CONTRACTOR'S ACCEPTANCE:					
AUTHORIZED SIGNATURE			DATE		

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Page 2

CONTRACTOR	CONTRACT NO./TASK NO.		
QSS Group, Inc.	NAS5-99124	TASK NO	AMENDMENT
		231	

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (See page 3)**PERFORMANCE SPECIFICATIONS:**

All activities involving Flight Hardware shall be in compliance with and adhere to the procedures specified in (1) MAP Quality Manual, MAP-MSN-MGMT-22 and appendices thereto, and (2) MIL-STD-1773. All documentation shall be configured in accordance with the MAP Configuration Management Plan, MAP-MSN-MGMT-21. All activities shall be in accordance with Goddard safety and engineering standards, procedures and guidelines.

Technicians shall be ESD, Crimping and Soldering certified throughout performance period.

APPLICABLE DOCUMENTS:

- (1) MIL-STD-1773
- (2) MAP Quality Manual, MAP-MSN-MGMT-22 and appendices thereto
- (3) MAP Configuration Plan, MAP-MSN-MGMT-21
- (4) GSFC ISO 9000

MILESTONES/DELIVERABLES AND DATES:**Absolute**

<u>Due Date</u>	<u>Milestone/Deliverable Description</u>
6/15/00	TRS and Microwave System PRT Harness Dressing
6/15/00	Spacecraft Integration services
6/15/00	Microwave System integration
6/21/00	Flight Fuse Plug fabrication, verification and integration
8/1/00	Observatory environmental test prep services

Relative

<u>Due Date</u>	<u>Milestone/Deliverable Description</u>
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PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of the deliverables/milestones

Technical: ATR's acceptance of each of the deliverables

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Lisa Bartusek, building 29, Room 150

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REQUEST FOR TASK PLAN / TASK ORDER**Contract NAS5-99124****STATEMENT OF WORK:**Task #: **231**

This is a follow-on to Task 187 and Task 61 under this contract. Anticipated start date is 4/1/00.

All MAP PRT shielding on the TRS and microwave system are to be completed by the contractor to meet specifications and schedule requirements. Additionally, after the cold-vibe-cold test the harness dressing for the microwave system will be completed.

Contractor shall provide for completion of the observatory environmental testing preparations started under Task 187. These preparations include GSE harness fabrication and verification; test thermal hardware bonding, wiring, harness routing and terminations;

Instrument and spacecraft harness integration, lead shielding after integration, and harness readiness for environmental testing are to be completed to meet the technical and schedule requirements.

The contractor shall provide services to fabricate, verify and integrate flight fuse plugs and trim resistor brackets to the spacecraft according to documentation provided by the MAP Electrical Systems Engineer.

The contractor shall provide services for the electrical system integration and testing for the Microwave Anisotropy Probe (MAP) spacecraft and instrument, both individually and as an Observatory. These services shall include the responsibility for extensive trouble shooting of the MAP Electrical Subsystem and associated components, the execution of test procedures and test scripts, as well as the identification, explanation and resolution of problems encountered during testing.

The following specific activities are required:

- Maintain a daily updated event log on all activities performed each day for the purpose of documentation of activity status and historical events.
- Attend daily standup meetings. Obtain priorities of technical support required for the electrical system.
- Provide extensive and comprehensive trouble shooting on identified issues within the electrical system and identify specific problem(s). Report results (written or verbal as required by the ATR) to ATR or other identified leads for the activity.
- As a member of the testing team implement test procedures/test scripts, and provide written test reports following the test to the task ATR.
- Participate in all testing for the MAP instrument and spacecraft, which involves the electrical system.

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Contract NAS5-99124

STATEMENT OF WORK:

Task #: **231**

- Serve as the trained electrical technician(s) for using the various electrical equipment such as: Attenuators, O/E Converters, Power Meters, Optical Time Domain Reflectometers (OTDR), Oscilloscope, Multi-Meters, etc.